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TITLE: Home automation control device using voice  
recognition  
function and method thereof

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ABSTRACTED-PUB-NO: KR2002078726A

BASIC-ABSTRACT:

NOVELTY – A home automation control device using a voice recognition function is provided to connect a communication line between a portable remote transmitter and a fixing remote receiver by a high frequency line, and to connect the fixing remote receiver with control lines of home appliances by an infrared line, thereby remotely controlling remote control apparatuses.

DETAILED DESCRIPTION – A portable remote transmitter(100) comprises as follows.

A voice input unit(110) inputs a voice command to filter the command, and amplifies the command to convert the command into a digital signal. A voice recognizer(116) analyzes the voice command, and outputs the analyzed command.

An operating panel(124) selects and decides a voice recording mode or a voice replaying mode with a voice recording and a replay mode key. When the voice recording mode is selected, a microprocessor unit(111) stores data of the voice recognizer(116) in a voice data storage(117). When the replay mode is selected, the microprocessor unit(111) compares the analyzed voice command with the prestored voice data, and outputs a control code value corresponding to the

voice command according to a compared result. A high frequency transmission module(120) modulates the control code value to a high frequency signal, and delivers the signal. A fixing remote receiver receives the delivered high frequency signal, and extracts the control code value from the high frequency signal, then converts the control code value into an infrared signal to control an operation of one of home appliances.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: HOME AUTOMATIC CONTROL DEVICE VOICE RECOGNISE FUNCTION METHOD

DERWENT-CLASS: T01 W01 W02 W04 W05

EPI-CODES: T01-C03C; T01-C08A; W01-B06; W02-C04; W04-V04A; W05-D;